



PTO/SB/08a (01-08)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature for form 69A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/590,989
Filing Date	8/29/2006
First Named Inventor	Babcock et al.
Art Unit	1797
Examiner Name	MENON KRISHNAN S.
Attorney Docket Number	0003.0514/ PC25968A

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US-4,667,504	05/06/1987	Hobson, D.W.	
	2	US-4,681,858	07/21/1987	Chaudhari et al.	
	3	US-5,183,760	02/02/1993	Sweetana et al.	
	4	US-5,476,590	12/19/1995	Brose, et al	
	5	US-5,490,415	02/13/1996	Mak et al.	
	6	US-5,525,305	06/11/1996	Minekus et al.	
	7	US-5,962,250	10/05/1999	Gavin et al.	
	8	US-6,004,822	12/21/1999	Li et al.	
	9	US-6,022,733	02/08/2000	Tam et al.	
	10	US-6,043,027	03/28/2000	Selick et al.	
	11	US-6,271,038 B1	08/07/2001	Liu et al.	
	12	US-6,294,134 B1	09/25/2001	Schenk et al.	
	13	US-6,379,619 B1	04/30/2002	Rozga et al.	
	14	US-6,569,686 B2	05/27/2003	Avdeef et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	1	WO 01/55698 A1	08/02/2001	Advveef et al.		
	2	EP 1 266 684 A1	09/27/2001	Sugano et al.		
	3	WO 2004/037160 A2	05/06/2004	Touitou et al.		

Examiner
SignatureDate
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/590, 989
Filing Date	August 29, 2006
First Named Inventor	Walter C. Babcock
Art Unit	1797
Examiner Name	MENON KRISHNAN S.
Attorney Docket Number	0003.0514

Sheet 2 of 3

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	W.I. Higuchi, "Effects of Interacting Colloids on Transport Rates," <i>Journal of Pharmaceutical Science</i> , 35:5(1964)532-535.	
	2	H. Takenaka, Y. Kawashim, and S.-Y. Lin, "Preparation of Enteric-Coated Microcapsules for Tableting by Spray-Drying Technique in In Vitro Simulation of Drug release from the tablet in GI Tract," <i>Journal of Pharmaceutical Science</i> , 69:12(1980)1388-1392.	
	3	G.E. Amidon, W.I. Higuchi, and N.F.H. Ho, "Theoretical and Experimental Studies of Transport of Micelle-Solubilized Solutes," <i>Journal of Pharmaceutical Science</i> , 71:1(1982)77-84.	
	4	F.L. Flynn, A.B. French, N.F.H. Ho, W.I. Higuchi, E.A. Ostafin, L.H. Warbasse, G.E. Amidon, and E. Williams, "Some Hydrodynamic boundary Layer Influences on Mass Transfer Coefficients," <i>Journal of Membrane Science</i> , 19(1984)289-308.	
	5	R. Neubert, "Transport Across Artificial Lipid Membranes. Part 24: Influence of Substance Properties on Diffusion Across Membranes," <i>Pharmazie</i> , 46(1991)442-444.	
	6	M. Kansy, F. Senner, and K. Gubernator, "Physiochemical High Throughput Screening: Parallel Artificial Membrane Permeation assay in the Description of Passive Absorption Processes," <i>Journal of Medicinal Chemistry</i> , 41:7(1998)1007-1010.	
	7	A. Avdeef, M. Strafford, E. Block, M.P. Balogh, W. Chambliss, and I. Khan, "Drug Absorption in Vitro Model: Filter-Immobilized Artificial Membranes. 2. Studies of the Permeability Properties of Lactones in Piper methysticum Forst," <i>European Journal Pharmaceutical Sciences</i> , 14(2001)271-280.	
	8	K. Sugano, H. Hamada, M. Machida, H. Ushio, K. Saitoh, and K. Terada, "Optimized Conditions of Bio-Mimetic Artificial Membrane Permeation Assay," <i>International Journal of Pharmaceutics</i> , 228(2001)181-188.	
	9	K. Sugano, H. Hamada, M. Machida, and H. Ushio, "High Throughput Prediction of Oral Absorption: Improvement of the Composition of the Lipid Solution Used in Parallel Artificial Membrane Permeation Assay," <i>Journal of Biomolecular Screening</i> , 6:3(2001)189-196.	
	10	F. Wohnsland and B. Faller, "High-Throughput Permeability pH Profile and High-Throughput Alkane/Water log P with Artificial Membranes," <i>Journal Medicinal Chemistry</i> , 44(2001)923-930.	
	11	E.H. Kerns, "High Throughput Physiochemical Profiling for Drug Discovery," <i>Journal of Pharmaceutical Science</i> , 90:11(2001)1838-1858.	
	12	I.J. Hidalgo, "Assessing the Absorption of New Pharmaceuticals," <i>Current Topics in Medicinal Chemistry</i> , 1(2001)385-41.	
	13	G.S.J. Mannens, H. Bohets, P. Verboven, K. Steemans, K. Lavrijsen, and W. Meuldermans, "3. Rapid Permeability Screening in Drug Discovery to Predict Human Intestinal Absorption," from Ernest Schering Research Foundation Workshop, Vol. 37, 2002, pp. 49-67.	

	14	C. Lohmann, S. Huwel, and H.-J. Galla, "Predicting Blood-Brain Barrier Permeability of Drugs: Evaluation of Different In Vitro Assays," <i>Journal of Drug Targeting</i> , 10:4(2002)263-276.	
	15	K. Sugano, N. Takata, M. Machida, K. Saitoh, and K. Terada, "Prediction of Passive Intestinal Absorption Using Bio-Mimetic Artificial Membrane Permeation Assay and the Paracellular Pathway Model," <i>International Journal of Pharmaceutics</i> , 241(2002)241-251.	
	16	C. Zhu, L. Jiang, G.-M. Chen, and K.-K. Hwang, "A Comparative Study of Artificial Membrane Permeability assay for High Throughput Profiling of Drug Absorption Potential," <i>European Journal of Medicinal Chemistry</i> , 37(2002)399-407.	
	17	S.J. Lee, T. Kurihara-Bergstrom, and S.W. Kim, "Ion-Paired Drug Diffusion Through Polymer Membranes," <i>International Journal of Pharmaceutics</i> , 47(1987)59-73.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.